



MSD

July 10, 1996

Ms. Liza Montalvo
Residual Project Manager
Kentucky/Tennessee Section
U. S. Environmental Protection Agency
Region IV
345 Courtland St, N. E.
Atlanta, GA 30365

Re: **Report of Field Observation - FY 96 - Fourth Quarter (FY96-4Q),
Lees Lane Superfund Site, Jefferson County, Kentucky,
Administrative Order on Consent, USEPA Docket No. 91-32-C**

Dear Ms. Montalvo:

In accordance with paragraph 11, under the heading Reporting Requirements, of the subject Consent Order and Attachment 1, Operation and Maintenance Plan For Post-Removal Site Control at the Lees Lane Landfill Site, I am enclosing one (1) copy of the Report of Field Observation (Appendix J), identified as Observation Report No. FY 96-4Q, for your information and files.

Please advise if you have any questions concerning the attached Report of Field Observation for FY96-4Q.

Sincerely,

Carl A. Neumayer
Director of Operations
CAN/dc
Lees-4Qltr
Enc.

DOCUMENT CONTROL NUMBER 440-83-AGVI

cc: Kentucky Natural Resource Environment Protection Cabinet
Mr. Rick Hogan, Division of Waste Management
Kentucky Natural Resource Environment Protection Cabinet
Mr. Jeff Pratt, Division of Waste Management
G. R. Garner, Executive Director
File WD-2 (Lees Lane M&M Quarterly)



10861885

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No: FY96-40 Date of Observation: 6/27/96
Time Arrived Onsite: 9:15 a.m. Time Departed Site: 10:45 a.m.
Field Personnel: Carl A. Neumayer, Director of Operations and Richard H. Watkins,
Support Services Manager, Maintenance Division

Section A: General Site Conditions

Observation:	Yes*	No	Not Observed	Comment No.
1. Major settlement of topsoil or erosion exposing waste/ fill material	—	X	—	A-1
2. Evidence of leachate seepage	—	X	X	—
3. Distressed Vegetation	—	X	—	—
4. Pot holes, erosion of access road	—	X	—	—

Section B: Institutional Controls

Observation:	Yes*	No	Not Observed	Comment No.
1. Structural problem with Lee's Lane gate or barricade	—	X	—	—
2. Structural problem with Putman Ave. barricade	—	X	—	B-2
3. Lee's Lane gate unlocked	—	X	—	—
4. Broken or missing lock	—	X	—	—

Section C: Gas Collection System

Observation:	Yes*	No	Not Observed	Comment No.
1. Vandalism to blower house, wells, or moisture traps	X	—	—	C-1
2. Structural damage to blower house	—	X	—	—
3. Blower not operating or visible damage	—	X	—	—
4. Blower house not secure and unclean	—	X	—	—

Observation:	Yes*	No	Not Observed	Comment No.
5. Service box lids not in place	—	X	—	—
6. Alarm and blower controls not functioning	—	X	—	—
7. Settlement or tilting of well/moisture trap concrete collars	—	X	—	—
8. Well/moisture trap covers missing or damaged	—	X	—	—
9. Excessive vegetation covering wells/moisture traps	X	—	—	C-9
10. Adjustment valve inaccessible	—	X	—	—
11. Well/moisture trap caps, plugs, and piping missing or damaged	—	X	—	—
12. Blower house and well/moisture trap signs missing or damaged	—	X	—	—

Section D: Groundwater & Gas Monitor Wells

Observation:	Yes*	No	Not Observed	Comment No.
1. Wells unlocked	—	X	—	—
2. Guard posts and rails missing or damaged	—	X	—	—
3. Protective casing missing, damaged or rusted	—	X	—	—
4. Concrete pads damaged or cracked	—	X	—	—
5. Possible surface water infiltration into wells	—	X	—	—
6. Excessive vegetation or debris around wells	X	X	—	D-6
7. Well cap missing or damaged	—	X	—	—
8. Tubing, fittings, and valves missing or damaged (gas wells only)	—	—	X	D-8

Section E: Bank Protection Controls

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Subsidence of slope, sloughing or caving	—	<u>X</u>	—	—
2. Erosion of rip-rap or underlying material	—	—	<u>X</u>	<u>E-2</u>
3. Abnormally damp areas, wet ground vegetation	—	<u>X</u>	—	—
4. Soft spots in surface	<u>X</u>	<u>X</u>	—	<u>E-4</u>
5. Seepage, water flow, piping, or sand boils	—	<u>X</u>	—	—
6. Undermining of rip-rap	—	—	<u>X</u>	—
7. Vegetative growth on rip-rap slope	—	<u>X</u>	—	<u>E-7</u>
8. Buildup of trash and debris on rip-rap	—	<u>X</u>	—	<u>E-8</u>
9. Exposed trash or filter fabric	—	<u>X</u>	—	—
10. Tilting trees	—	<u>X</u>	—	—
11. Tension cracks	—	<u>X</u>	—	—
12. Survey monuments missing or damaged	—	<u>X</u>	—	—

Section F: Surface Waste Cleanup/Cover

Observation:	<u>Yes*</u>	<u>No</u>	<u>Not Observed</u>	<u>Comment No.</u>
1. Swales greater than 1 foot wide and 2 inches deep	—	<u>X</u>	—	<u>F-1</u>
2. Cracks greater than 1 inch wide and 6 inches deep	—	<u>X</u>	—	—
3. Areas of erosional damage to grass	—	<u>X</u>	—	—
4. Inadequate grass cover (area > 36 ft ²)	<u>X</u>	<u>X</u>	—	<u>E-4</u>
5. Ponded water (area larger than 2 feet in diameter and 3 inches deep)	—	<u>X</u>	—	<u>E-5</u>
6. Erosion or ponded water greater than 12 inches deep (requires immediate repair)	—	<u>X</u>	—	—

* If yes, assign a comment no. in the last column and follow instructions on comment sheet.

REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY

Observation Report No. FY96-4Q

Date of Observation 6/27/96

Site Map

Signature of Observer: *Carl H. Hays*

Date: July 10, 1996

**REPORT OF FIELD OBSERVATION
LEE'S LANE LANDFILL SITE, LOUISVILLE, KENTUCKY**

Observation Report No.: FY96-4Q

Date of Observation: 6/27/96

Instruction: If any item is checked yes, provide details of the problem and maintenance recommendations below and indicate the location of deficiency on the site map provided.

Comment No.:

Comment

- | | |
|-----|---|
| A-1 | Fill material has been placed to eliminate remaining depressed rutted areas adjacent to Gas Well No. 6. |
| B-2 | Condition of Putman Avenue barricade remains unchanged from previous quarterly inspections. Vegetation growth has been cut adjacent to the access road. |
| C-1 | Continue to observe small arms fire damage to the walls of the Blower House and warning signs. Small arms fire damage is evident on all faces of the Blower House except the west face. |
| C-9 | Excessive vegetation observed near gas well markers, groundwater wells and gas monitoring wells. |

Comment No.

Corrective Action Performed

- | | |
|-----|--|
| A-1 | Complete finish grading and seeding prior to the beginning of FY 97-3Q. |
| B-2 | No further corrective action required at this time. |
| C-1 | No corrective action proposed at this time for the repair of small arms fire damage to the concrete block walls or signs of the Blower House. Continue to monitor small arms fire damage condition at subsequent quarterly institutional inspections and consider scheduling of repairs to the concrete block walls of the Blower House prior to FY 97-3Q. |
| C-9 | Excessive vegetation growth around gas wells, groundwater wells and gas monitoring wells should be trimmed by independent mowing contractor on next mowing cycle. Excessive vegetative growth is a result of MSD changing independent contractors to perform flood protection levee mowing assignments and the need to emphasize trimming requirements under the terms of the mowing contract. |

Comment No.:**Comment**

- D-6 See C-9 comments above.
- D-8 Unable to observe condition of tubing, fittings and valves on gas wells because all gas well caps were securely locked.
- E-2 Unable to observe any erosion of rip rap or underlying river bank material because of substantial vegetation growth on the Ohio River lower pool at the time of this institutional inspection. However, extensive vegetative growth does not appear to be disturbed, and, therefore, continues to stabilize the Ohio River bank against scouring under high lower pool low conditions.
- E-4 Observed that rutting from the vehicles having been driven on the clay cap and required to be towed out have been filled.
- E-7 Vegetative growth has been sprayed for growth control on the rip rap slope and the north edge of the clay cap area.

Comment No.**Corrective Action Performed**

- D-6 See C-9 correction Action comments above.
- D-8 No corrective action required at this time because Radian Associates and MSD Force Account did not experience any difficulty in the condition of tubing and fittings during the quarterly field monitoring activities conducted prior to the end of FY 96-4Q.
- E-2 No corrective action required at this time.
- E-4 Grading of the entire portion of the clay cap from vehicles rutting needs to be fine graded and seeded prior to the start of FY 97-3Q.
- E-7 No corrective action required at this time except for consideration of riprap spraying in the vicinity of Benchmark No. 1 either before the end of FY 97-2Q or prior to the end of FY 97-4Q.

Comment No.:

Comment

- E-8 Observed some evidence of floating debris build up caused by high water conditions in the winter and spring on the Ohio River lower pool.
- F-1 Observed the shale drainage swale between the access road and the top of the riprap slope section. Condition of the shale drainage swale appears satisfactory with only slight evidence of standing water above and below the culvert pipe crossing under the asphalt access road.
- F-4 Observed that the filling of the vehicle ruts on the clay cap has inadequate grass cover at this time.
- F-5 No ponding water observed in the vicinity of the refill depressed area south of Benchmark No. 4.

Comment No.

Corrective Action Performed

- E-8 No corrective action required at this time.
- F-1 Continue to monitor shale drainage swale at quarterly institutional inspections for any evidence of serious erosion or standing water conditions.
- F-4 Refer to E-4 above.
- F-5 Schedule finish grading of area to grade and seed prior to the start of FY97-3Q.

Lees4Q-96